

DEFINITIVE SUBDIVISION PLAN for CLARK LANE IMPROVEMENTS

REVISIONS		
NO.	DATE	DESCRIPTION

Marblehead, MA
JULY 2020

OWNER
& APPLICANT: MPM COMPANIES, LLC
37 WOODBURY STREET
BEVERLY, MA 01915

ENGINEER: GRIFFIN ENGINEERING GROUP, LLC
495 CABOT ST, 2ND FLOOR
BEVERLY, MA 01915



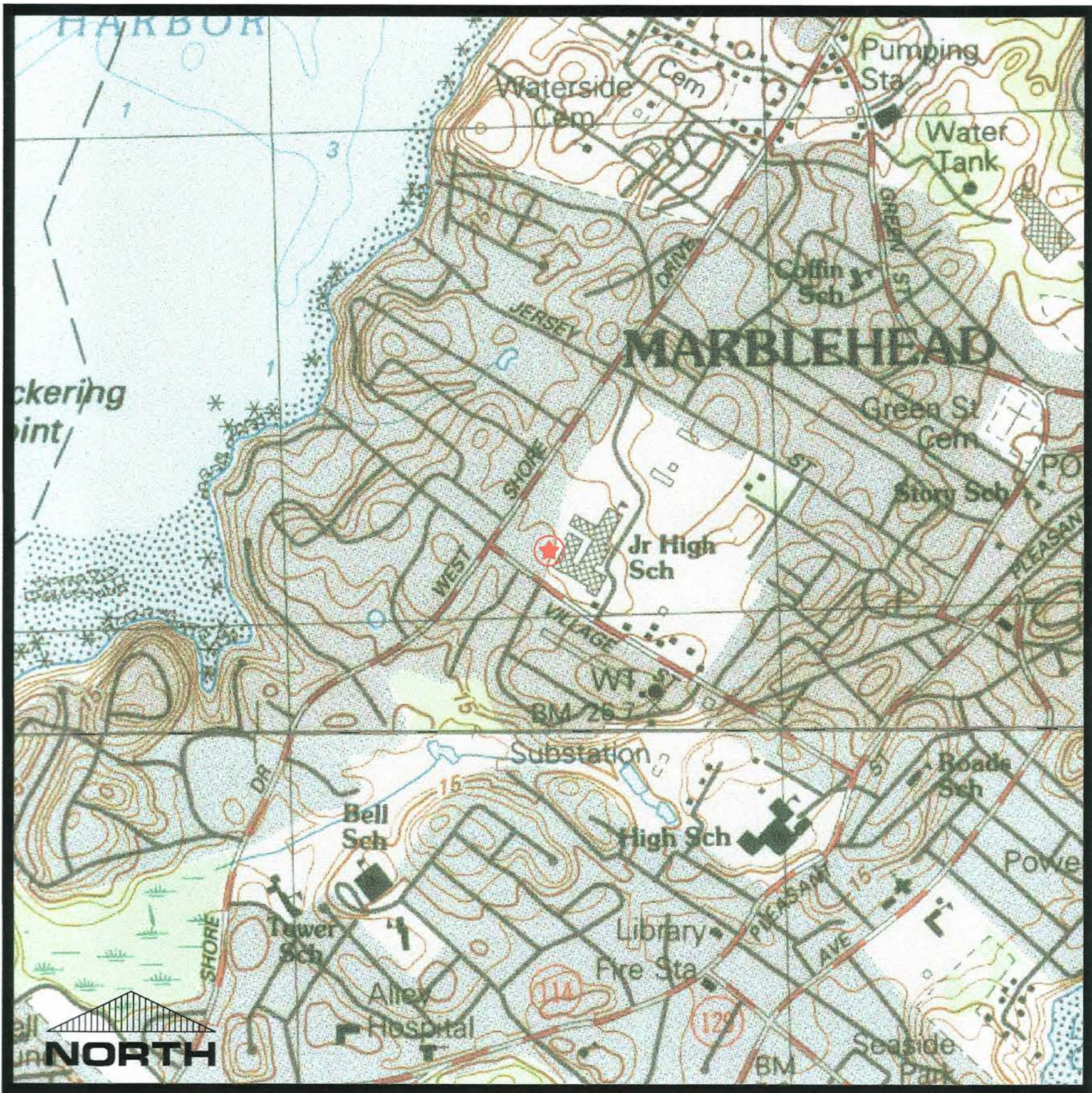
SURVEYOR: LEBLANC SURVEY ASSOCIATES
161 HOLTEN STREET
DANVERS, MA 01923

I CERTIFY THAT THIS PLAN WAS PREPARED
IN ACCORDANCE WITH THE RULES AND
REGULATIONS OF THE REGISTERS OF DEEDS.

DATE _____
FOR REGISTRY USE ONLY

I, _____, CLERK
OF THE TOWN OF MARBLEHEAD,
MA, CERTIFY THAT THE NOTICE OF
APPROVAL OF THIS PLAN BY THE
MARBLEHEAD PLANNING BOARD
HAS BEEN RECEIVED AND
RECORDED IN THIS OFFICE AND
THAT NO APPEAL WAS RECEIVED
DURING THE TWENTY (20) DAYS
NEXT AFTER SUCH RECEIPT AND
RECORDING OF SUCH NOTICE.

MARBLEHEAD TOWN CLERK _____ DATE _____



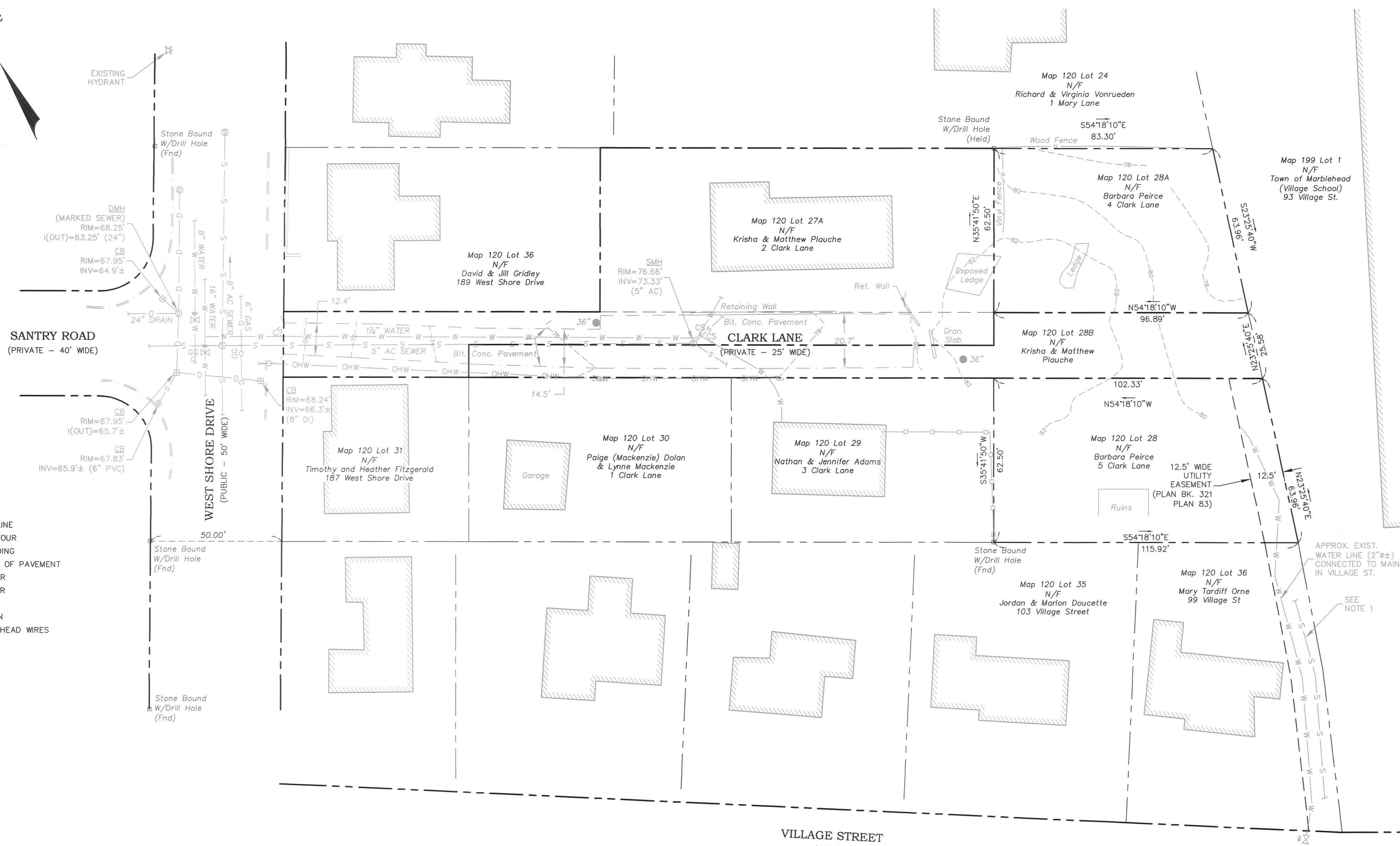
LOCUS PLAN
SCALE: 1" = 800'

List of Drawings:

- COVER SHEET
- C-1: EXISTING CONDITIONS
- C-2: SITE PLAN
- C-3: DETAILS & NOTES

MARBLEHEAD
PLANNING BOARD

DATE: _____



PLAN NOTES:
1.) SEWER STUB WAS INSTALLED EXTENDING FROM VILLAGE ST TO 5 CLARK LN PARCEL IN EASEMENT IN APPROX. 1997 (PER BARTLETT & STEADMAN). TEST PIT REQ'D TO DETERMINE PIPE SIZE AND LOCATION PRIOR TO CONSTRUCTION.

C-1

GENERAL NOTES

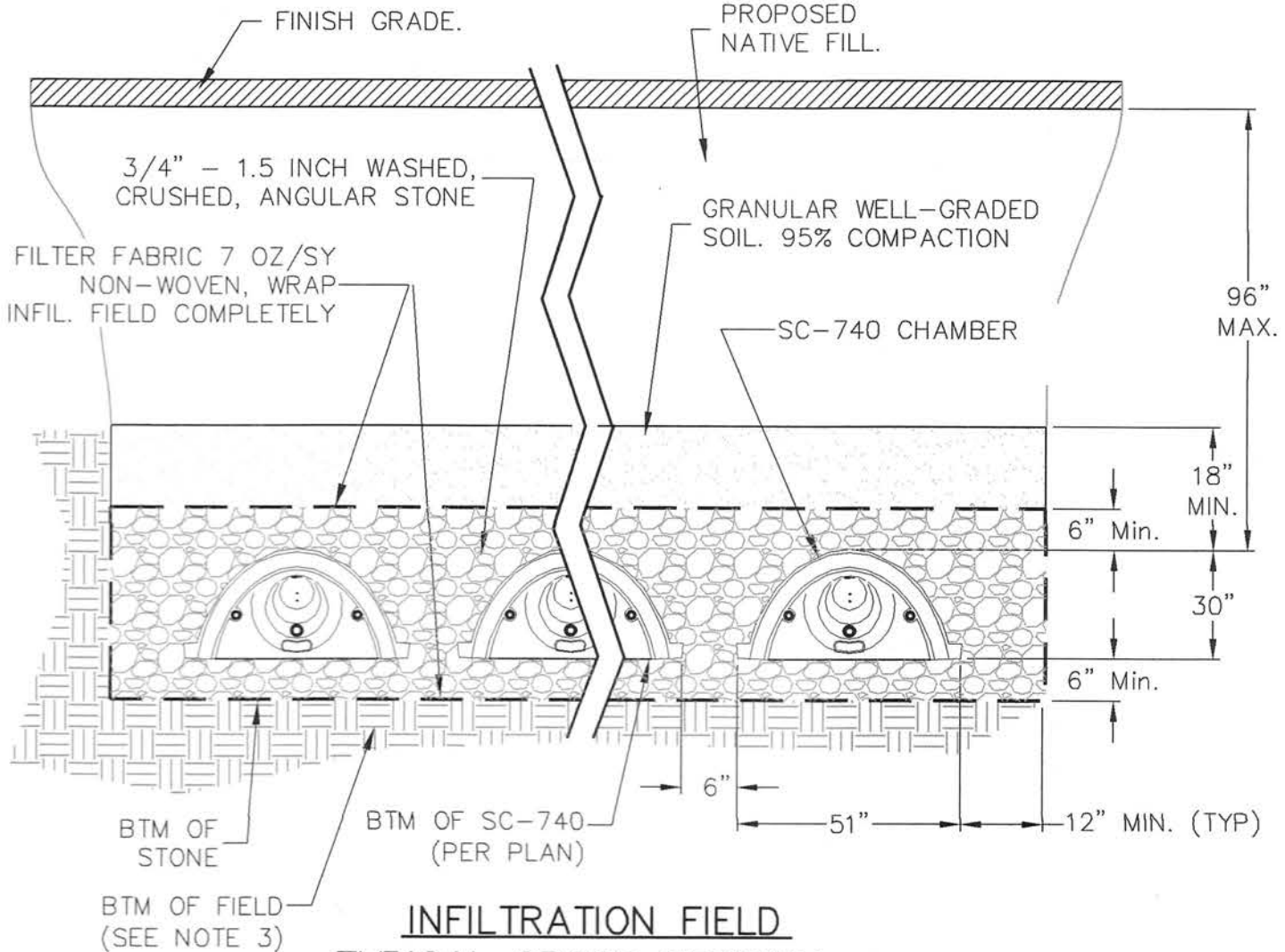
1. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES IN THE LOCATION OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER.
2. THE CONTRACTOR SHALL CALL DIG-SAFE 72 HOURS PRIOR TO CONSTRUCTION TO INFORM UTILITY COMPANIES OF ANY EXCAVATION ADJACENT TO EXISTING UTILITIES.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER, UTILITY COMPANIES, POLICE, FIRE AND DPW PRIOR TO ANY BLASTING.
4. WHENEVER EXISTING STRUCTURES ARE ENCOUNTERED, THE CONTRACTOR SHALL REPAIR ANY DAMAGED STRUCTURES OR REPLACE ANY REMOVED STRUCTURES, AND MAKE ANY IMPROVEMENTS ABOVE OR BELOW GRADE TO A CONDITION BETTER THAN OR EQUAL TO EXISTING CONDITIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL WASTE MATERIAL AT AN APPROVED SITE. BURIAL OF WASTE MATERIAL ON-SITE IS NOT PERMITTED.
6. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES FROM ON-SITE CONSTRUCTION ACTIVITIES AND REMOVE ANY SEDIMENT OR DEBRIS DEPOSITED THEREON IMMEDIATELY.
7. DRAINAGE GENERATED AS A RESULT OF DEWATERING SHALL BE DISCHARGED TO EXISTING DRAINAGE COURSES WITH PROPER FILTRATION AND EROSION CONTROL MEASURES. DISCHARGE ONTO PAVEMENT OR PRIVATE PROPERTY SHALL NOT BE ALLOWED.
8. IF ANY PART OF THIS DESIGN IS TO BE ALTERED IN ANY WAY, THE ENGINEER AS WELL AS THE APPROVING AUTHORITIES SHALL BE NOTIFIED IN WRITING BEFORE CONSTRUCTION.
9. ONLY THOSE PLANS APPROVED BY THE TOWN OF MARBLEHEAD ARE TO BE USED FOR CONSTRUCTION.
10. GRANULAR FILL SHALL BE NON-PLASTIC, WITH LESS THAN 10% PASSING #200 SIEVE.
11. UNLESS OTHERWISE NOTED, COMPACT ALL LAYERS TO 95% MODIFIED PROCTOR.
12. ALL WATER, SEWER, AND DRAINAGE WORK SHALL COMPLY WITH THE TOWN OF MARBLEHEAD REQUIREMENTS. ALL WORK WITHIN 10' OF THE PROPOSED RESIDENCE TO CONFORM TO MASSACHUSETTS BUILDING CODE, AND ANY LOCAL BOARD OF HEALTH SUPPLEMENTARY REGULATIONS.
13. BUILDING WATER SERVICE TO BE SIZED BY FIRE SUPPRESSION SYSTEM DESIGNER.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HORIZONTAL AND VERTICAL CONTROL OF ALL SYSTEM COMPONENTS.
15. SAFETY MEASURES, DAY-TO-DAY CONTROL OF WORK AND CONSTRUCTION METHODS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
16. PLACE 4" LOAM AND SUNNY LAWN SEED MIXTURE (200 LB/ACRE), STARTER FERTILIZER, LIME AS REQUIRED, AND EROSION CONTROL BLANKET, WHERE NECESSARY, OVER ALL DISTURBED AREAS.
17. IN CASES WHERE LEDGE OR BOULDERS ARE PRESENT, THE ENGINEER WILL NOT BE RESPONSIBLE FOR ASSURING THE AMOUNT OF ROCK TO BE ENCOUNTERED.
18. CONTRACTOR TO PROVIDE INDIVIDUAL WATER, SEWER, ELECTRICAL, TELEPHONE, AND CABLE BUILDING SERVICES TO LOT LINE DURING THE CONSTRUCTION OF THE ROADWAY.
19. PROPOSED RESIDENCE, CLEARING LIMITS, ON-LOT UTILITIES AND GRADING ARE SHOWN FOR CONCEPTUAL PURPOSES ONLY.
20. MAINTAIN ACCESS FROM WAY TO ABUTTING PROPERTIES THROUGHOUT THE WORK.

I CERTIFY THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS.

DATE _____
FOR REGISTRY USE ONLY

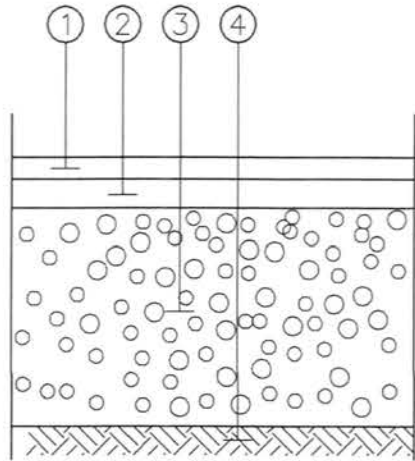
I, _____, CLERK OF THE TOWN OF MARBLEHEAD, MA, CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE MARBLEHEAD PLANNING BOARD HAS BEEN RECEIVED AND RECORDED IN THIS OFFICE AND THAT NO APPEAL WAS RECEIVED DURING THE TWENTY (20) DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SUCH NOTICE.

MARBLEHEAD TOWN CLERK _____ DATE _____



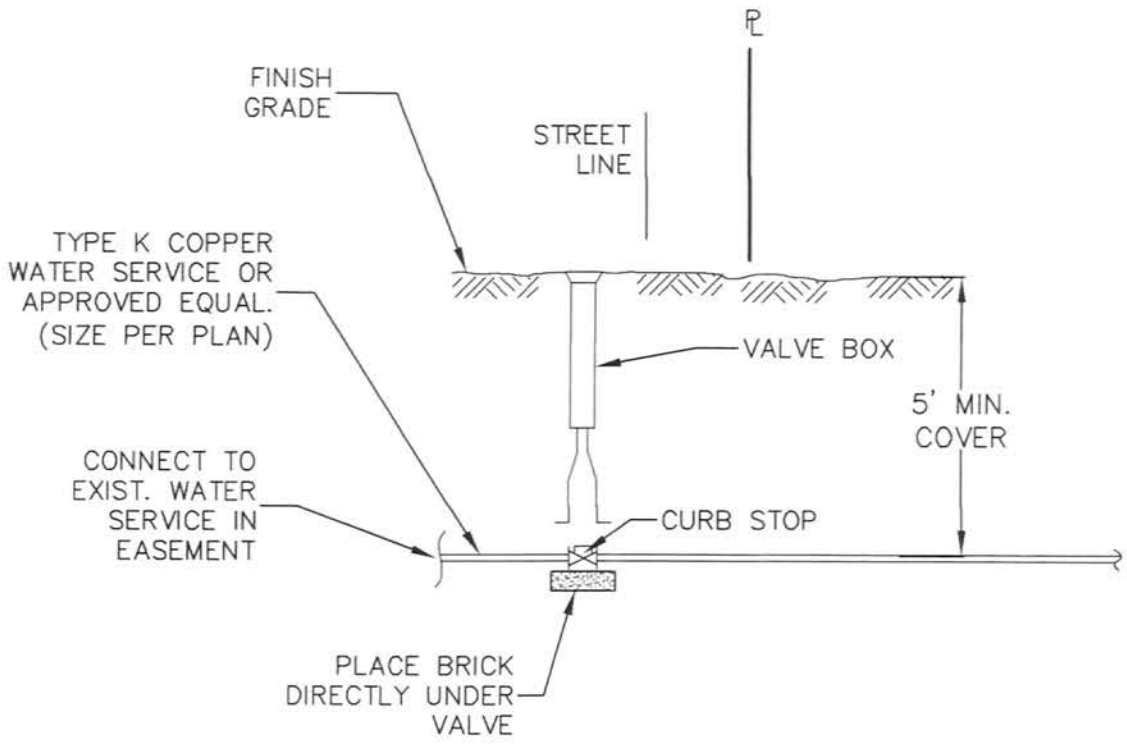
- NOTES:
- 1) SEE SITE PLAN FOR FIELD SIZE, LOCATION AND CHAMBER COUNT.
 - 2) MANUFACTURED BY STORMTECH OF 20 BEAVER ROAD, SUITE 104, WETHERSFIELD, CT 06109 USA 888-892-2694
 - 3) CONTRACTOR TO REMOVE ANY TOPSOIL, SUBSOIL & URBAN FILL FROM BELOW THE INFILTRATION FIELD AND ESTABLISH BOTTOM OF FIELD GRADE WITH CLEAN SAND MEETING THE SPECIFICATIONS OF "TITLE 5" SAND. WHERE LEDGE IS PRESENT, PROVIDE 2-FT TH. MIN SAND BELOW CHAMBERS.

- KEY:
1. 1 1/2" CLASS 1 BIT. CONCRETE TOP COURSE TYPE I-1 (M3.11.0 - TABLE A).
 2. 3" CLASS 1 BIT. CONCRETE BINDER COURSE (M3.11.0 - TABLE A).
 3. 12" DENSE GRADED CRUSHED STONE FOR SUB-BASE (M2.01.7)
 4. PREPARED SUBGRADE.



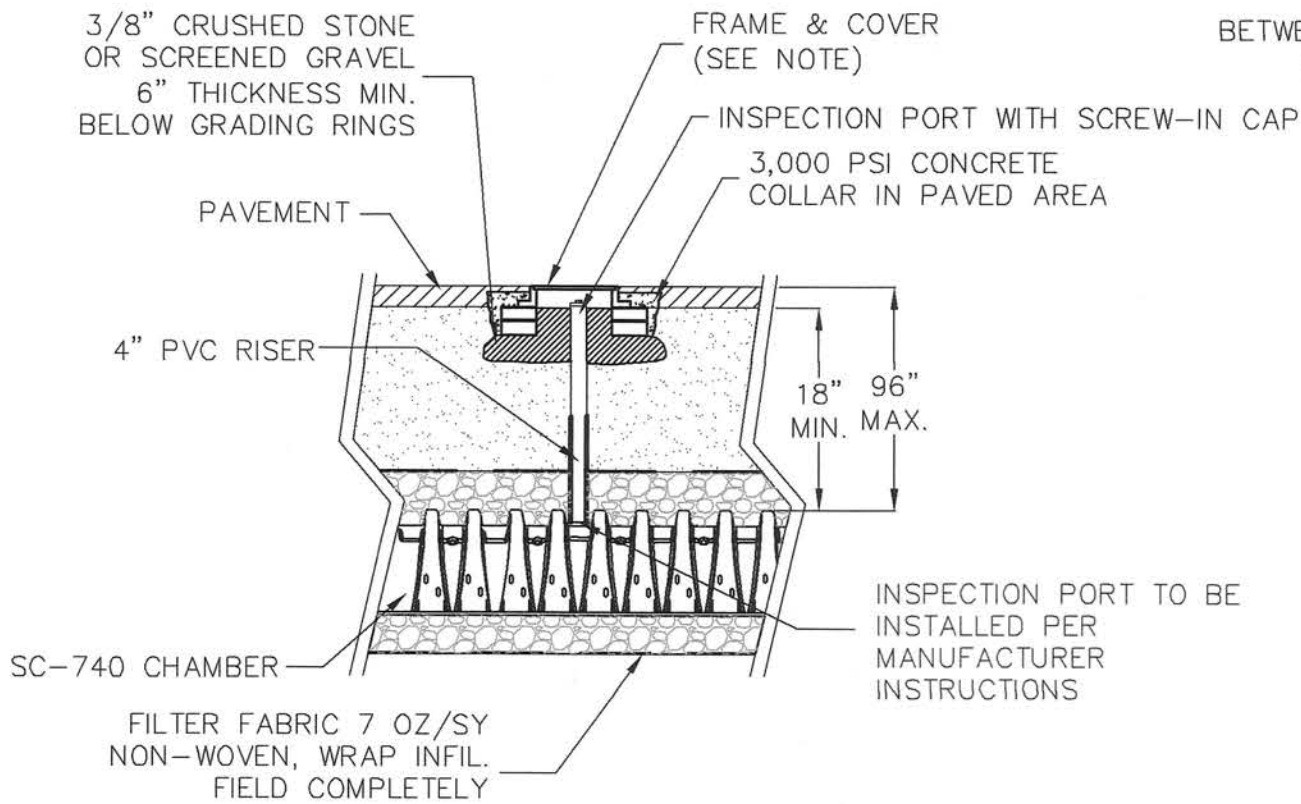
FULL DEPTH PAVEMENT
N.T.S.

- NOTES:
1. REMOVE ALL LOAM, ROOTS, SUBSOIL AND DELETERIOUS MATERIALS.
 2. COMPACT ALL LAYERS, AND SUBGRADE, TO 95% MOD. PROCTOR.
 3. MATERIAL REFERENCES ARE TO 1995 EDITION OF MASS. HIGHWAY STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
 4. 4" LOAM, SEED AND MULCH ALL DISTURBED AREAS.
LOAM = M 1.05.0
SEED = M 6.03.0 SLOPE MIX
MULCH = M 6.04.0 ANY TYPE
 5. IN LEDGE, REMOVE LEDGE TO MIN. DEPTH OF 24" BELOW FINISH GRADE; BACKFILL WITH COMPACTED GRAVEL.



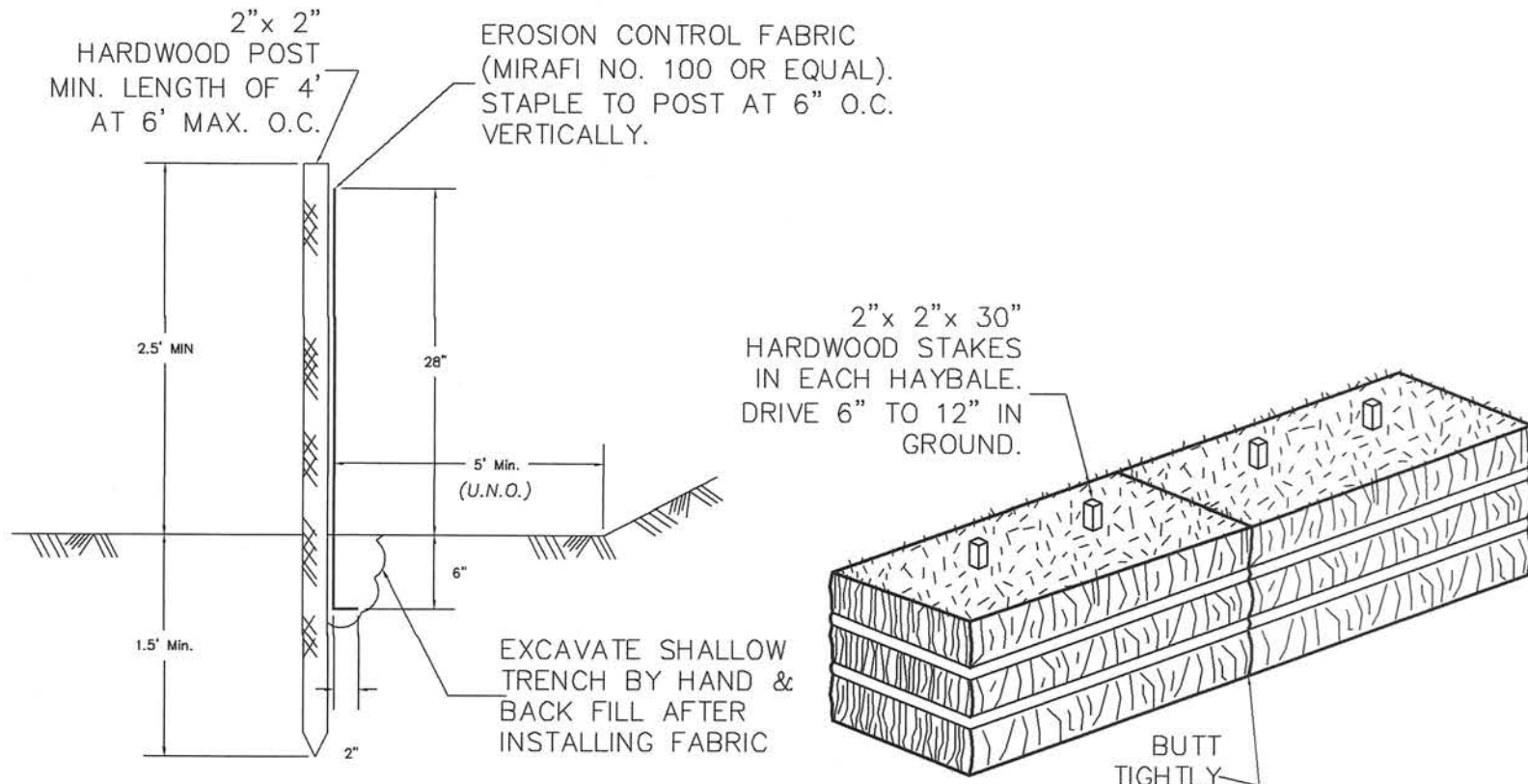
WATER SERVICE CONNECTION
N.T.S.

NOTES:
ALL CONNECTIONS TOWN OF MARBLEHEAD REQUIREMENTS.

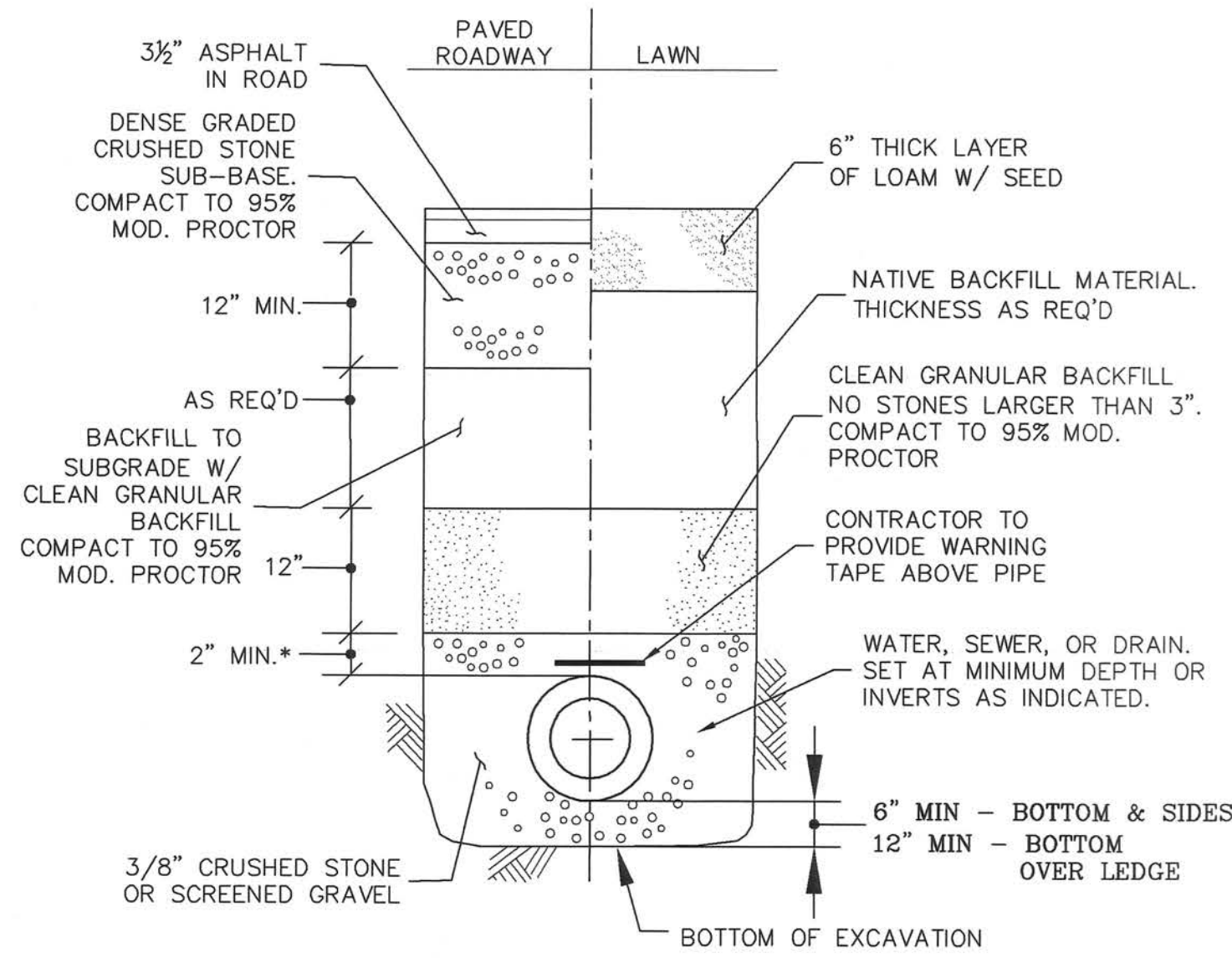


INSPECTION PORT DETAIL
N.T.S.

FRAME & COVER NOTE
IN PAVED AREA PROVIDE 8"Ø CAST IRON FRAME & COVER (H20 RATED). SET ON 2 GRADING RINGS & MORTAR BED OR 2 COURSES BRICK AND MORTAR. PLACE CONCRETE COLLAR AROUND STRUCTURE.

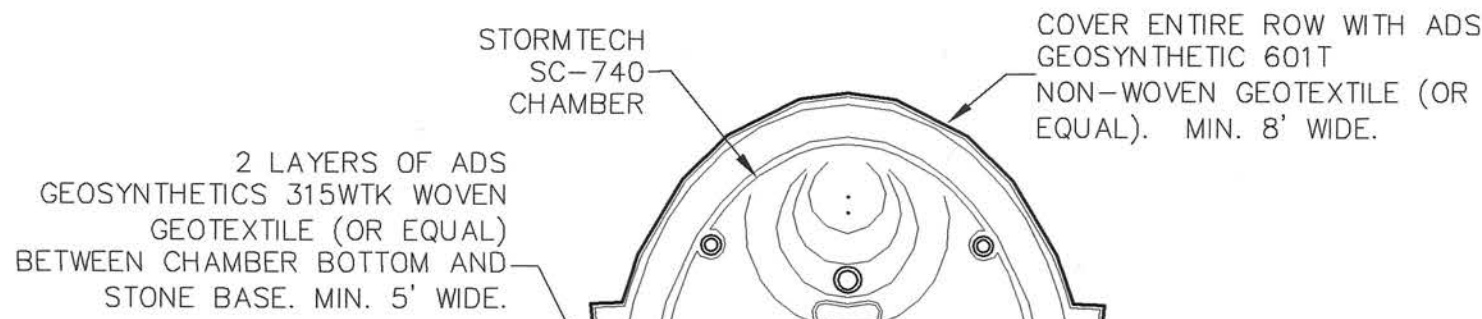


EROSION CONTROL
N.T.S.



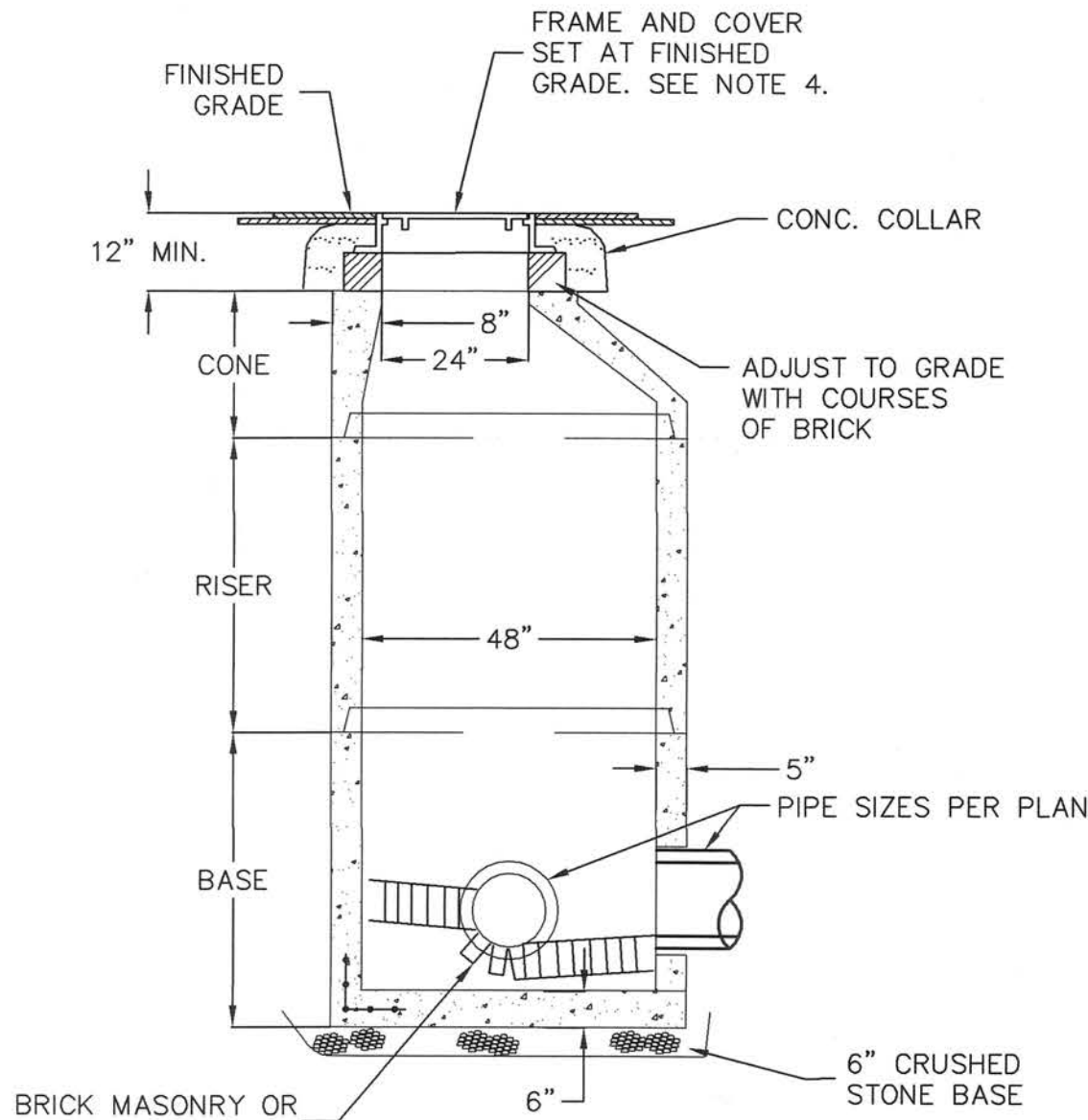
* FOR DUCTILE IRON OR RCP PIPE: TOP OF STONE IS MID-DEPTH (SPRING LINE) OF CONDUIT.

TYPICAL PIPE BEDDING SECTION
N.T.S.



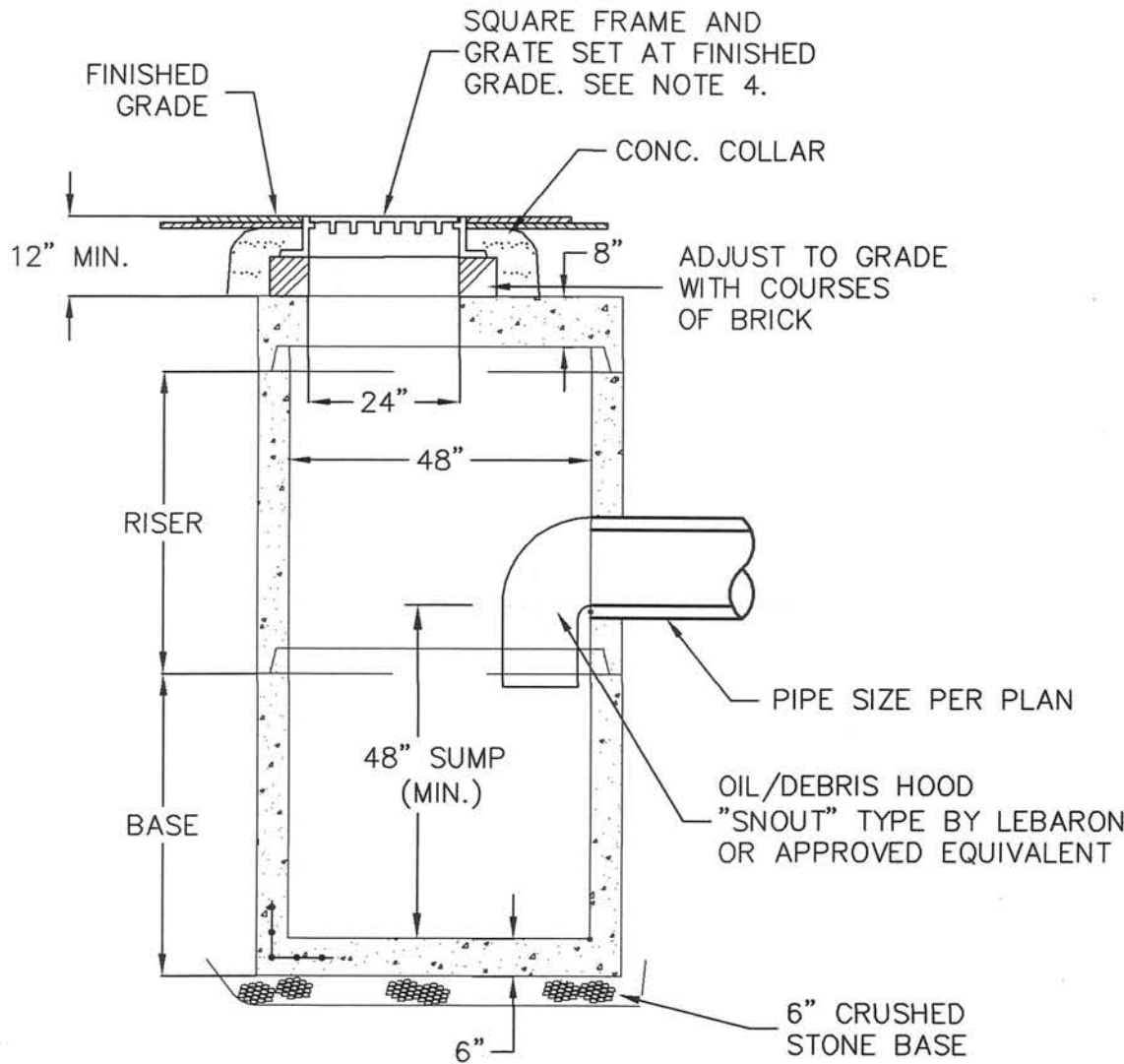
ISOLATOR ROW DETAIL
N.T.S.

NOTE:
SEE SITE PLAN FOR ISOLATOR ROW LOCATION(S)



- NOTES:
1. CONCRETE 4,000 PSI MINIMUM AFTER 28 DAYS.
 2. REINFORCED STEEL SHALL CONFORM TO LATEST ASTM A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
 3. H-20 DESIGN LOADING.
 4. EUCO OMA124000023 FRAME & SOLID COVER OMA124000026 (MARKED DRAIN) OR APPROVED EQUIVALENT.
 5. SHEA PRECAST OR APPROVED EQUIVALENT.
 6. TONGUE & GROOVE JOINTS SEALED WITH BUTYL RESIN. BUTYL RESIN.

PRECAST DRAIN MANHOLE
N.T.S.



- NOTES:
1. CONCRETE 4,000 PSI MINIMUM AFTER 28 DAYS.
 2. REINFORCED STEEL SHALL CONFORM TO LATEST ASTM A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
 3. H-20 DESIGN LOADING.
 4. EUCO OMA52000029 FOUR FLANGE OR APPROVED EQUIVALENT.
 5. SHEA PRECAST OR APPROVED EQUIVALENT.
 6. TONGUE & GROOVE JOINTS SEALED WITH BUTYL RESIN. BUTYL RESIN.
 7. FOUNDATION SUPPORT PER GEOTECHNICAL ENGINEER.

4'Ø PRECAST CATCH BASIN
N.T.S.

MARBLEHEAD
PLANNING BOARD

DATE: _____

No. _____ Date _____ Description _____
Revisions



7-28-20



495 Cabot Street, 2nd Floor
Beverly, MA 01915

Tel: 978-927-5111
Fax: 978-927-5103

DEFINITIVE SUBDIVISION
OF LAND IN MARBLEHEAD

CLARK LANE
IMPROVEMENTS

DETAILS
&
NOTES

Scale: AS-SHOWN

Job No.: 1884

File Name: _____

Date: 7/28/20

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